

Title (en)

Storage control apparatus, storage control program, and storage control method

Title (de)

Speichersteuerungsvorrichtung, Speichersteuerungsprogramm und Speichersteuerungsverfahren

Title (fr)

Appareil de commande de stockage, programme de commande de stockage et procédé de commande de stockage

Publication

EP 2884396 A1 20150617 (EN)

Application

EP 14194678 A 20141125

Priority

JP 2013252971 A 20131206

Abstract (en)

A storage control apparatus is communicatively connected to a storage device. The storage device includes a plurality of SSDs. The storage control apparatus includes a processing request controller and a device load detector. The device load detector detects an overload of an SSD by detecting a processing delay of the SSD. When the device load detector has detected an overload of an SSD, the processing request controller suppresses issuance of a request to process write-back with respect to a group by delaying issuance of the write-back.

IPC 8 full level

G06F 12/08 (2006.01); **G06F 3/06** (2006.01); **G06F 11/10** (2006.01)

CPC (source: EP US)

G06F 3/061 (2013.01 - EP US); **G06F 3/0619** (2013.01 - EP US); **G06F 3/0653** (2013.01 - EP US); **G06F 3/0659** (2013.01 - EP US); **G06F 3/0688** (2013.01 - EP US); **G06F 3/0689** (2013.01 - EP US); **G06F 11/1076** (2013.01 - EP US); **G06F 11/30** (2013.01 - US); **G06F 11/3034** (2013.01 - EP US); **G06F 11/3419** (2013.01 - EP US); **G06F 11/3452** (2013.01 - EP US); **G06F 12/0253** (2013.01 - US); **G06F 12/0804** (2013.01 - EP US); **G06F 12/0868** (2013.01 - EP US); **G06F 2201/81** (2013.01 - EP US); **G06F 2212/1024** (2013.01 - EP US); **G06F 2212/214** (2013.01 - EP US); **G06F 2212/262** (2013.01 - EP US); **G06F 2212/312** (2013.01 - EP US); **G06F 2212/702** (2013.01 - US); **G06F 2212/7208** (2013.01 - EP US)

Citation (applicant)

- JP 2012141944 A 20120726 - TOSHIBA CORP
- JP 2012008651 A 20120112 - TOSHIBA CORP
- JP 2011192240 A 20110929 - SONY CORP

Citation (search report)

- [XYI] US 2009063769 A1 20090305 - DAIKOKUYA HIDEJIROU [JP], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2884396 A1 20150617; JP 2015111334 A 20150618; US 2015161043 A1 20150611; US 9501406 B2 20161122

DOCDB simple family (application)

EP 14194678 A 20141125; JP 2013252971 A 20131206; US 201414551181 A 20141124